LINKSYS®
A Division of Cisco Systems, Inc.

High-Speed Wireless Access for Existing Networks!

WAP4400N

With the growth in high bandwidth applications, such as storage and video in the work place, network performance is essential. Wireless technology is no longer lagging behind wired performance. The introduction of the Linksys Business Series WAP4400N Wireless-N Access Point answers the growing business' need for access, speed, and security.

The Access Point uses the very latest wireless networking technology, Wireless-N (draft 802.11n). By overlaying the signals of multiple radios, Wireless-N's "Multiple In, Multiple Out" (MIMO) technology multiplies the effective data rate. Unlike ordinary wireless networking technologies that are confused by signal reflections, MIMO actually uses these reflections to increase the range and reduce "dead spots" in the wireless coverage area.

The Linksys Wireless-N Access Point lets you connect Wireless-N (802.11n), Wireless-G (802.11g) or Wireless-B (802.11b) devices to your wired network so you can add PCs to the network with no cabling hassle. Power over Ethernet (PoE) support makes the Access Point easy to install -- you can mount the Access Point anywhere, even without ready access to a power plug. With appropriate PoE support at the other end, you only need to run one cable to the Access Point to deliver both data and power. Of course, you can also use the included AC adapter if your installation point has power available nearby.

Moreover, the integrated Quality of Service (QoS) features provide consistent voice and video quality on both the wired and wireless networks, enabling the deployment of business quality VoIP and video applications.

To protect your data and privacy, the Linksys Wireless-N Access Point supports both Wired Equivalent Privacy (WEP) and the industrial-strength wireless security of Wi-Fi Protected Access™ (WPA), encoding all your wireless transmissions with powerful encryption. With the MAC address filter with advanced logging feature, you both control and stay apprised of who accesses your wireless network. Configuration is a snap with the web browser-based configuration utility.

The Linksys Wireless-N Access Point with Power Over Ethernet is the best way to add wireless access to your existing business network.

Complies with IEEE draft 802.11n standards while at the same time being backwards compatible with 802.11b and g devices	Standards-based POE (IEEE 802.3af) or External DC power	MIMO technology uses multiple radios to create a robust signal that travels farther and reduces dead spots	Support for WMM provides improved QoS over wireless connections for better video and voice performance

PRODUCT DATA

Wireless-N Access Point with Power Over Ethernet

BUSINESS SERIES

Model: **WAP4400N**

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Features

- Draft 802.11n wireless networking delivers greater throughput and extended range, maximizing the number of wireless clients per access point for your small business
- Full backwards compatibility for 802.11b and 802.11g
- Easy installation and configuration web interface
- Supports WEP, WPA-PSK, WPA2-PSK, WPA2-ENT, WPA-ENT authentication (802.11i ready)
- Adjustable dipole antennas with MIMO 2x3 diversity
- Gigabit Ethernet LAN interface
- Supports Power over Ethernet (PoE) or external DC power
- Supports SNMP and intuitive web-based interface
- WMM wireless QoS support - upgradeable to 802.11e

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Access Point with Power Over Ethernet

Specifications

Model	WAP4400N
Standards	Draft IEEE802.11n, IEEE802.11g, IEEE802.11b, IEEE802.3, IEEE802.3u, IEEE802.3af (Power over Ethernet), 802.1x (Security Authentication), 802.11i - Ready (Security WPA2), 802.11e - Ready (Wireless QoS)
Ports	Ethernet, Power
Buttons	Reset
Cabling Type	UTP CAT 5
LEDs	Power, Ethernet, Wireless, POE
Operating System	Linux

Setup/Config

WebUI	Built in Web UI for easy browser-based configuration (HTTP/HTTPS)

Management

SNMP Version	SNMP Version 1, 2c, 3
Event Logging	Event Logging Remote Syslog
Web F/W upgrade	Firmware upgradeable through web-browser
Diags: Flash, etc.	Diags: Flash, RAM, LAN, WLAN
DHCP	DHCP Client

Operating Modes

Access Point	Access Point Mode

Wireless

Spec/Modulation	Radio and Modulation Type: 802.11b/DSSS, 11g/OFDM, 11n/OFDM
Channels	Operating Channels: 11 North America, 13 Most of Europe (ETSI and Japan)
# of Internal Ant.	None
# of External Ant.	3 (Omni-Directional)
Transmit Power	Transmit Power (Adjustable) at Normal Temp Range: 11b - 16 dBm at 1TX, 19 dBm at 2TX; 11g - 13 dBm at 1TX, 16 dBm at 2TX; 11n - 13 dBm at 1TX, 16 dBm at 2TX
Antenna Gain in dBi	2
Receiver Sensitivity	11.n: 300Mbps at -69dbM, 11.g: 54Mbps at -73dBm, 11.b: 11Mbps at -88dBM

Security

WEP/WPA/WPA2	WEP 64bit/128bit, WPA-PSK, WPA2-PSK, WPA-ENT, WPA2-ENT
Access Control	Wireless connection control: MAC-based
SSID Broadcast	SSID Broadcast enable/disable
802.1X	IEEE 802.1X support

Quality of Service

QoS	4 queues WMM Wireless priority

General

Load Balancing
New AP detection (used with WPC4400N)
New client detection (used with WPC4400N)
Auto-channel selection

Environmental

Dimensions W x H x D	7.80" x 5.16" x 7.80" (198 x 131 x 198 mm)
Unit Weight	0.84 lb (38 g)
Power	12V 1A DC input, and IEEE802.3af Compliant PoE
Certification	FCC, CE, IC
Operating Temperature	32 to 104ºF (0 to 40ºC)
Storage Temperature	-20 to 70ºC
Operating Humidity	10% to 85% non-condensing
Storage Humidity	5% to 90% non-condensing

Package Contents

- Wireless-N Access Point with PoE
- User Guide on CD-ROM
- Ethernet Network Cable
- Power Adapter
- Product Stands
- Registration Card

Minimum Requirements

- 802.11b, 802.11g, 802.11n Wireless Adapter With TCP/IP Protocol Installed Per PC
- Switch/Router with Power Over Ethernet (PoE) Support Or PoE Injector when used with POE
- Web-Based Configuration Java-Enabled Web Browser

Linksys
A Division of Cisco Systems, Inc.
121 Theory
Irvine, CA 92617 USA

E-mail: sales@linksys.com
support@linksys.com
Web: http://www.linksys.com

Linksys products are available in more than 50 countries, supported by 12 Linksys Regional Offices throughout the world. For a complete list of local Linksys Sales and Technical Support contacts, visit our Worldwide Web Site at www.linksys.com.

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